

Prior Art: Drive Arm with Micro-Actuator

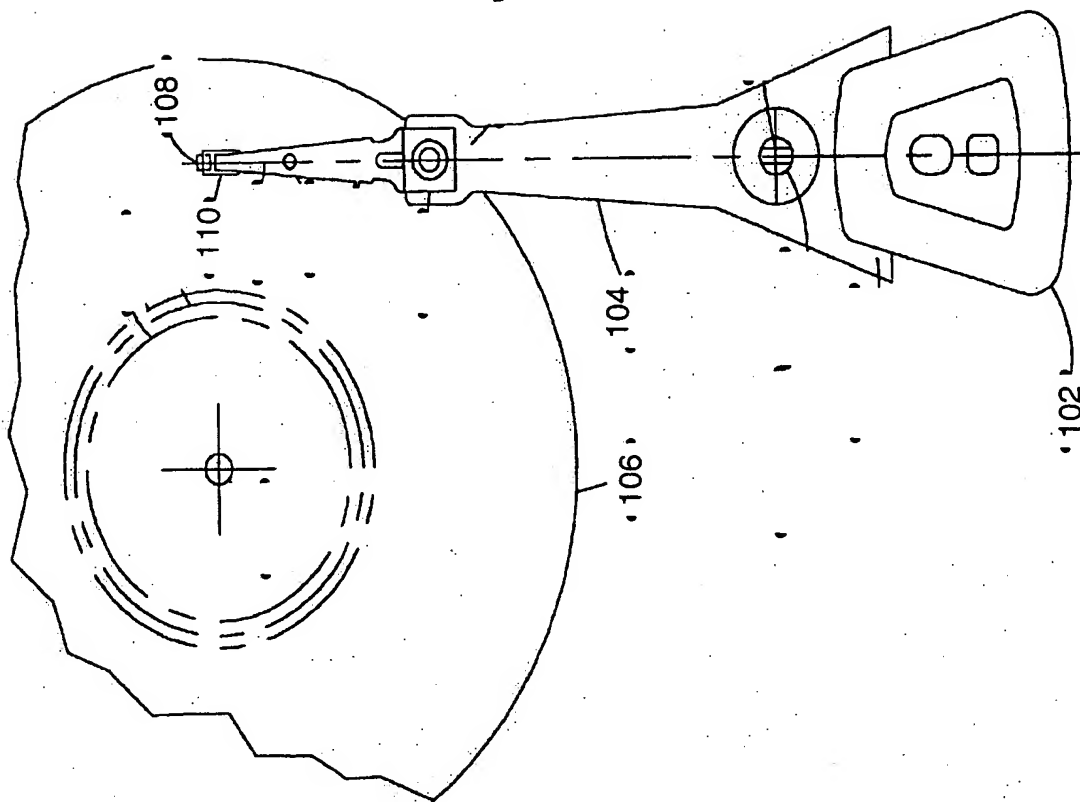


Figure 1

Prior Art: Micro-Actuator

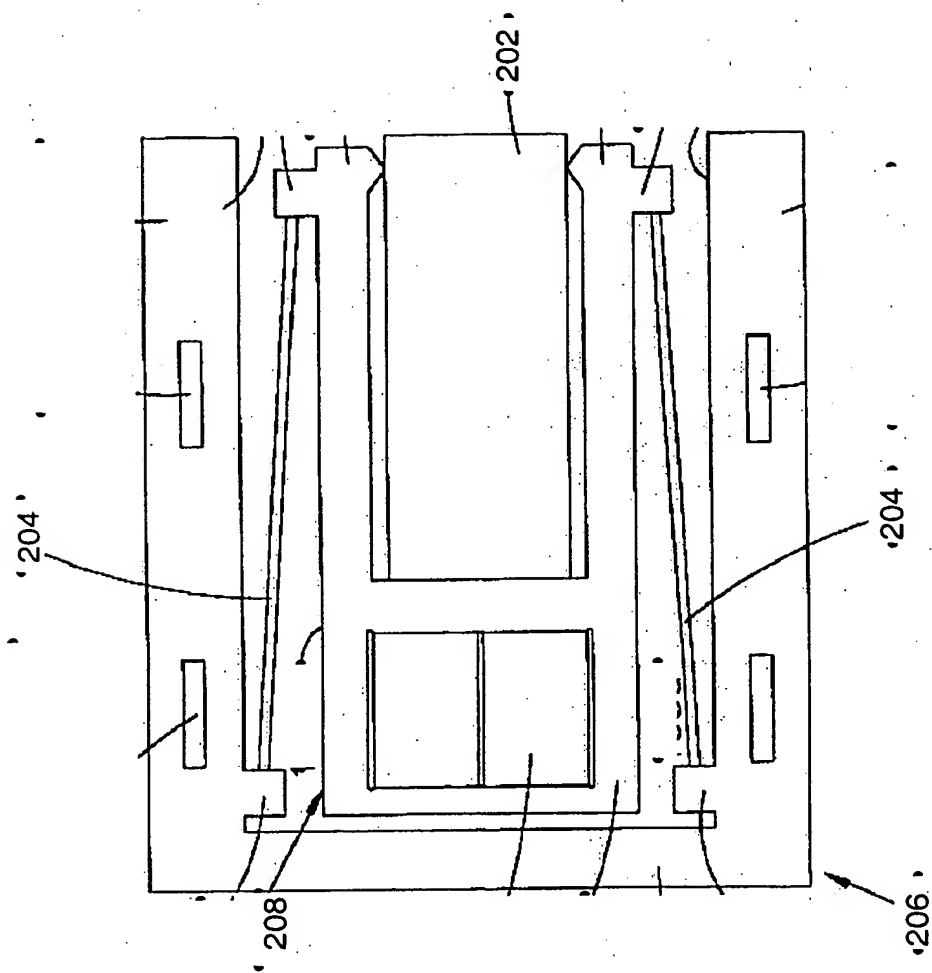


Figure 2

Head Gimbal Assembly (HGA) with U-Shaped Micro-Actuator

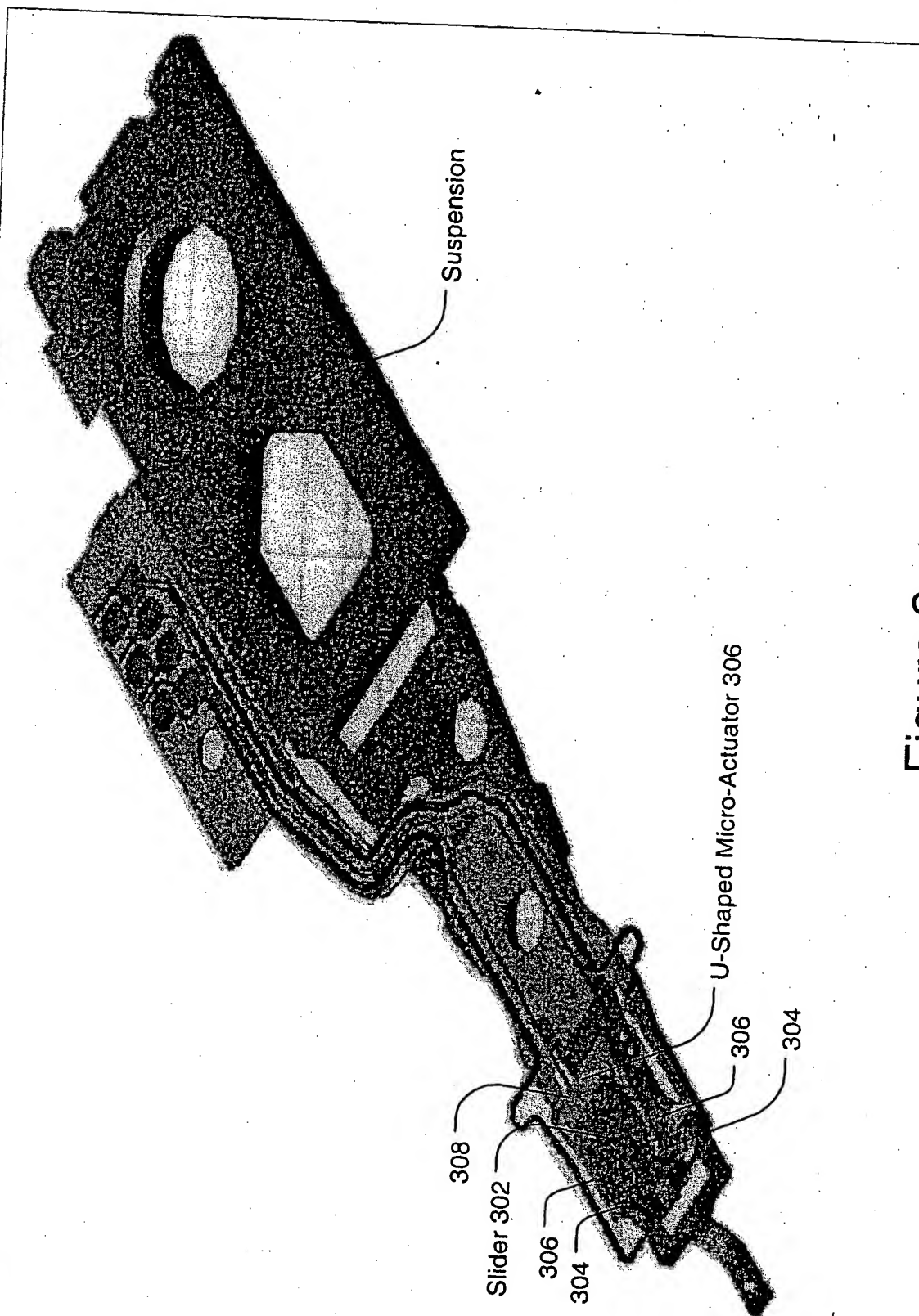


Figure 3

Illustration of Slider with U-Shaped Micro-Actuator

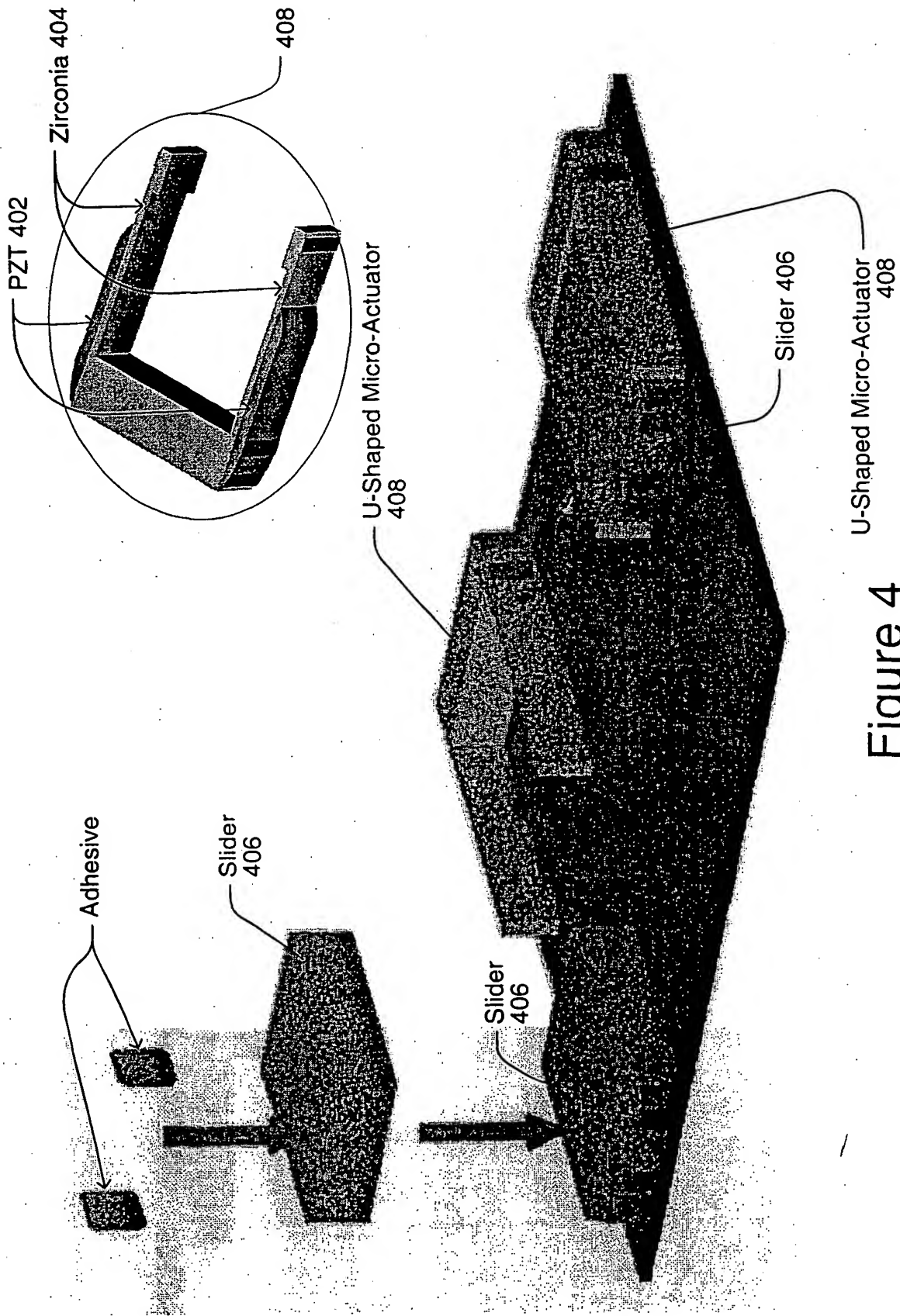


Figure 4

Problems of Bonding Slider to U-Shaped Micro-Actuator with Bonding Agents such as Epoxy

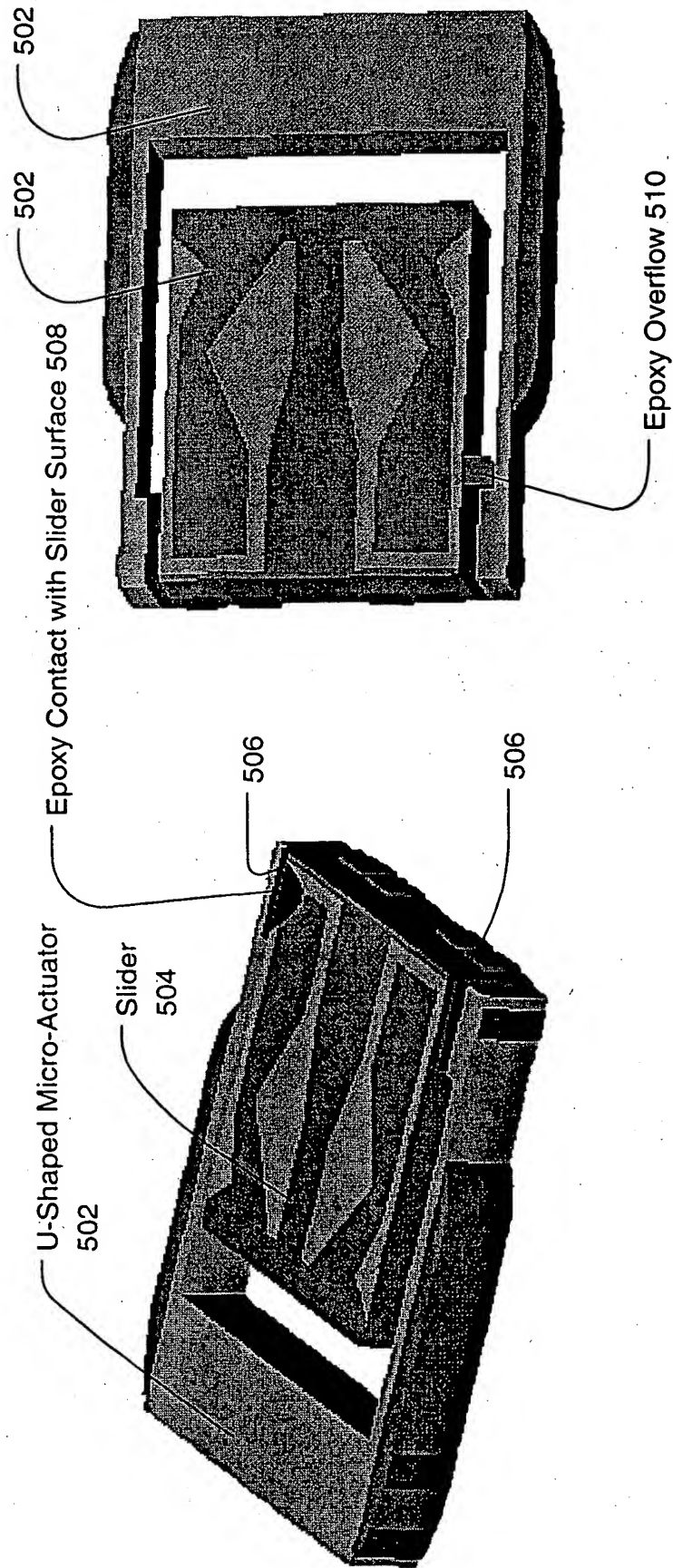


Figure 5a

Figure 5b

Figure 5

Problems of Bonding Slider to U-Shaped Micro-Actuator with Bonding Agents such as Epoxy

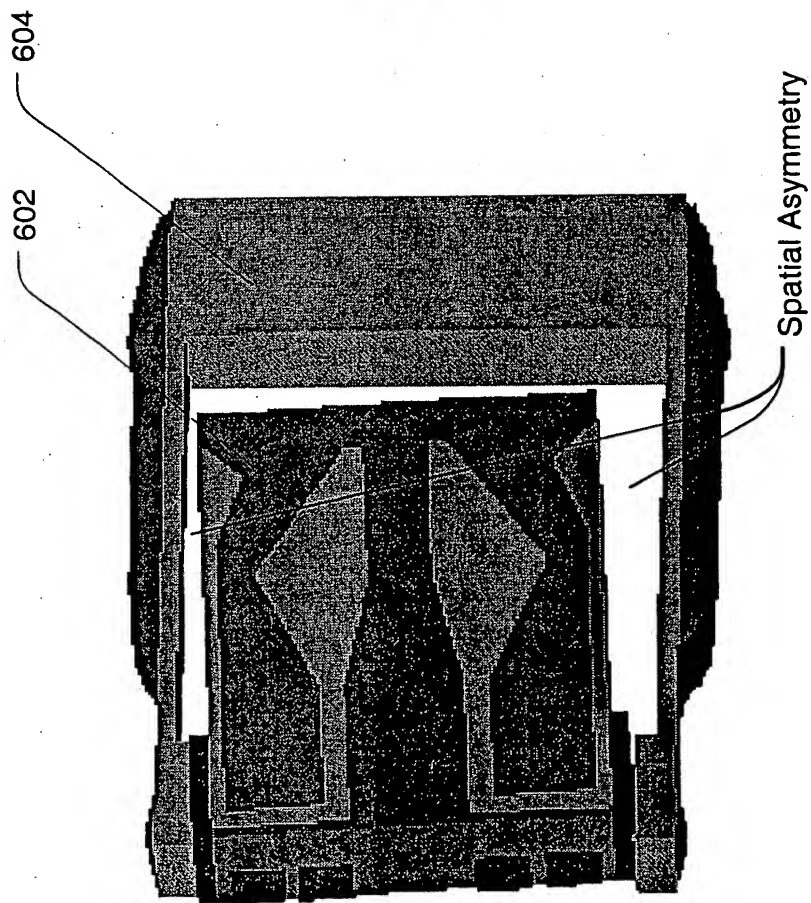


Figure 6a

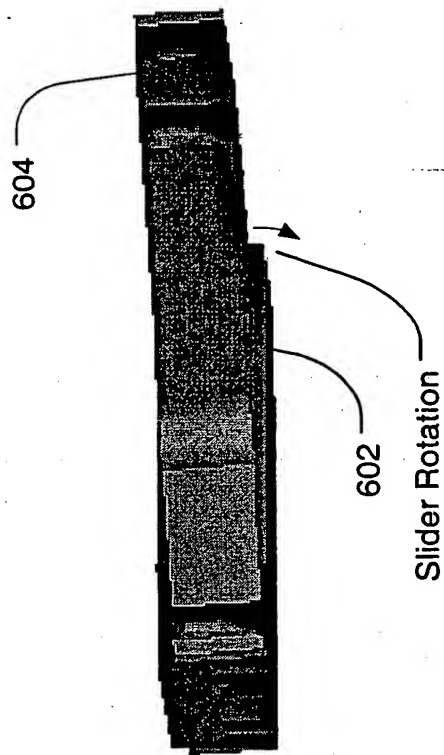


Figure 6b

Figure 6

Design Improvements to Correct Problems of Bondage by Agents such as Epoxy

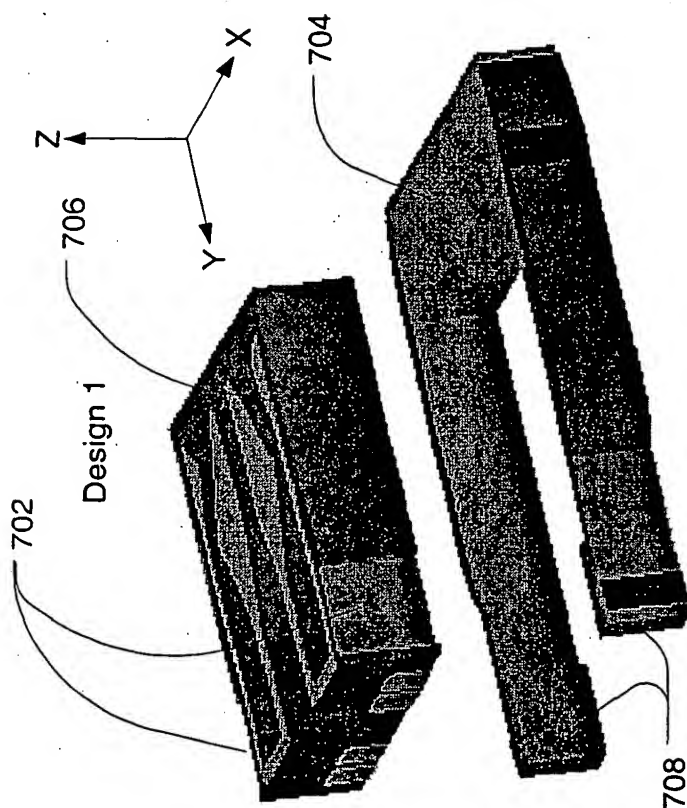


Figure 7a

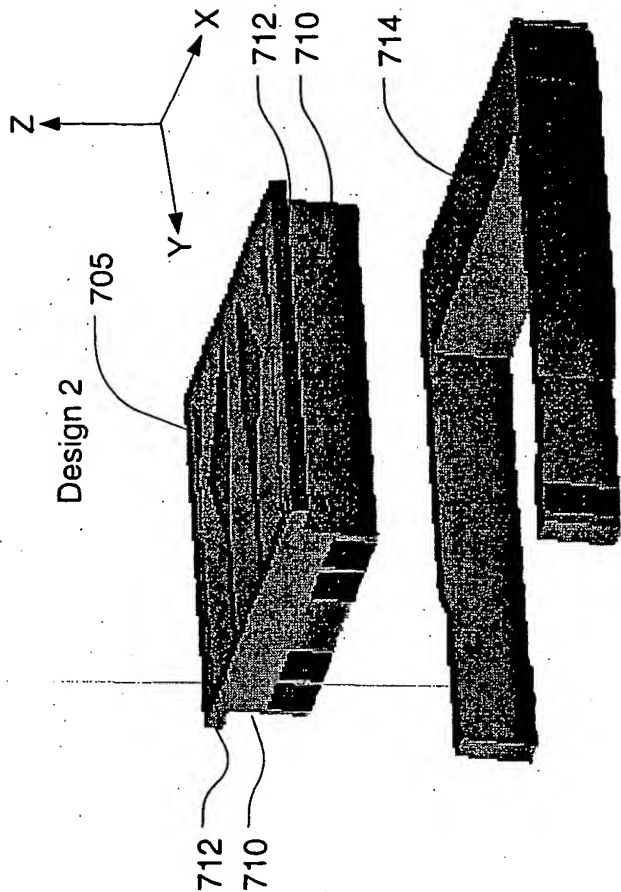


Figure 7b

Figure 7

Design Improvements to Correct Problems of Bondage by Agents such as Epoxy

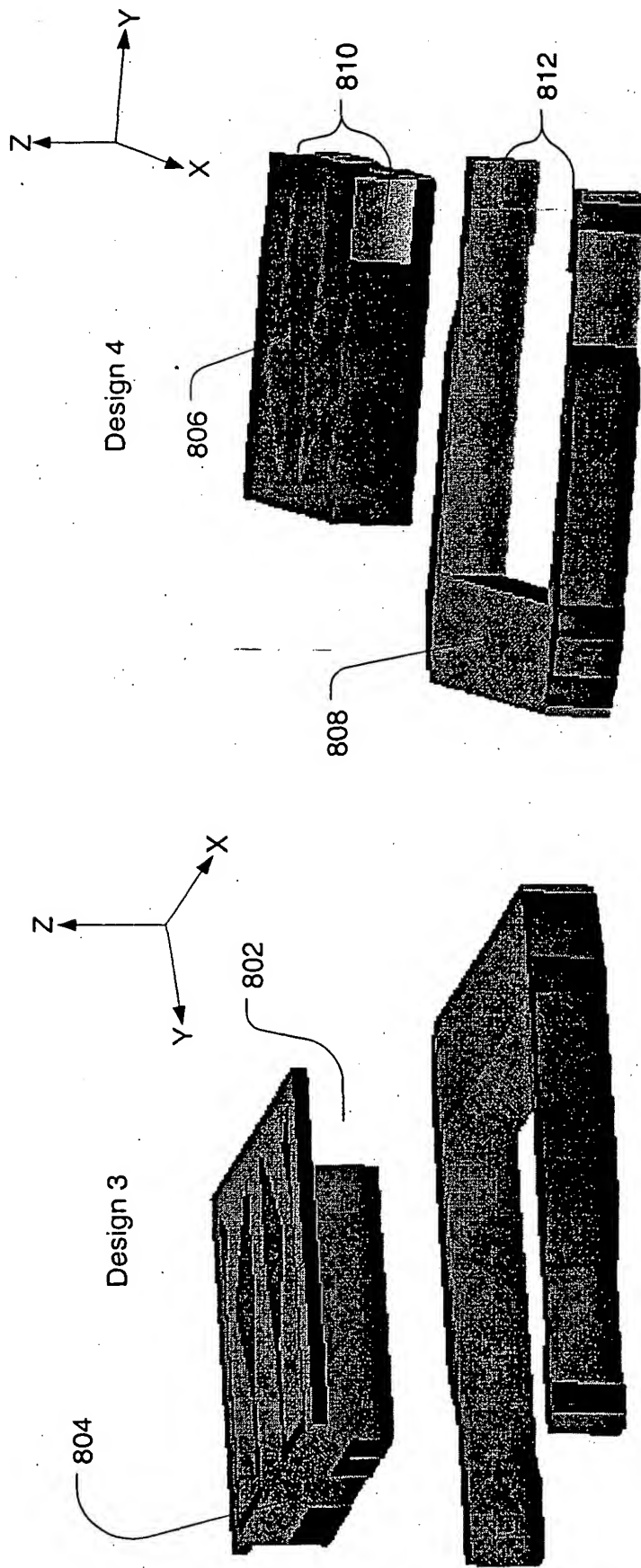


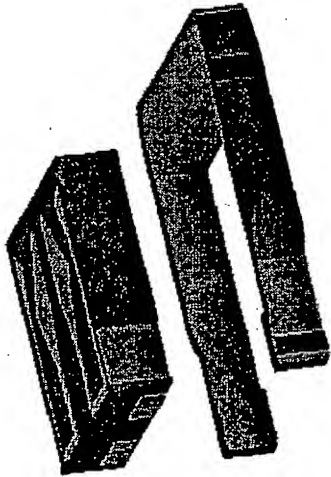
Figure 8a

Figure 8b

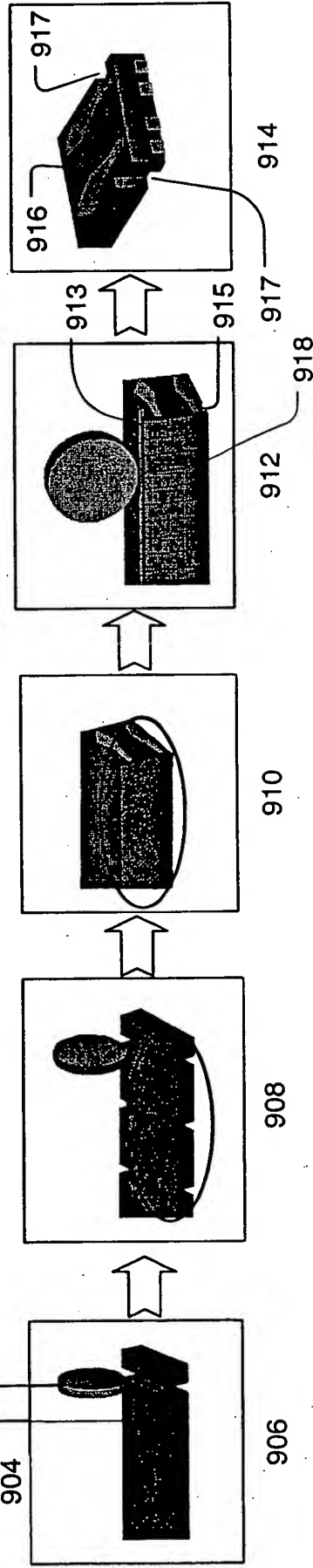
Figure 8

Fabrication of Design 1

Design 1



Row Bar 904 Cutting Wheel 902



Fabrication

Figure 9

Fabrication of Design 2

Design 2

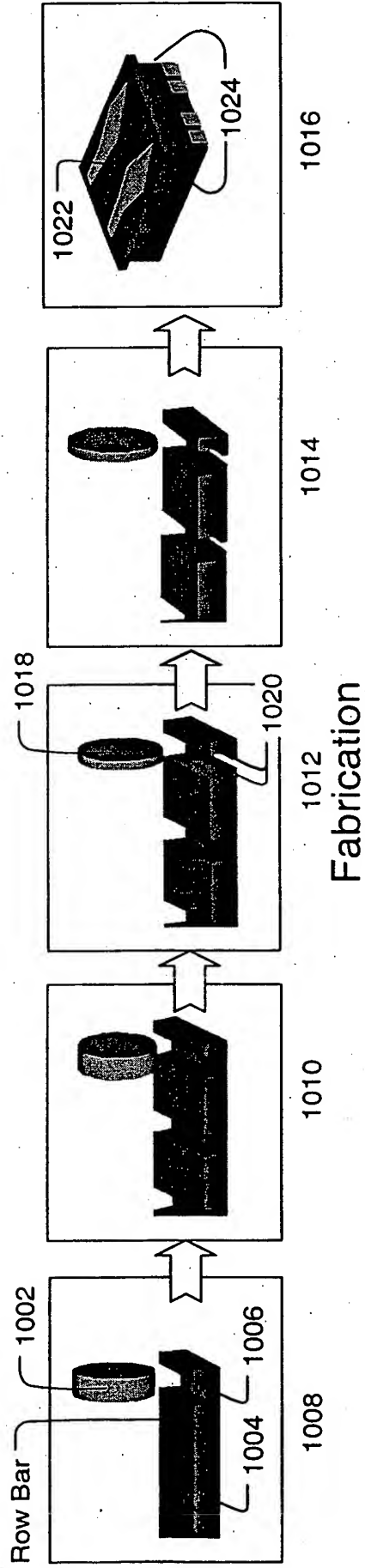
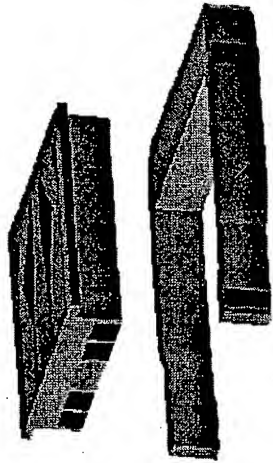


Figure 10

Fabrication of Design 3

Design 3

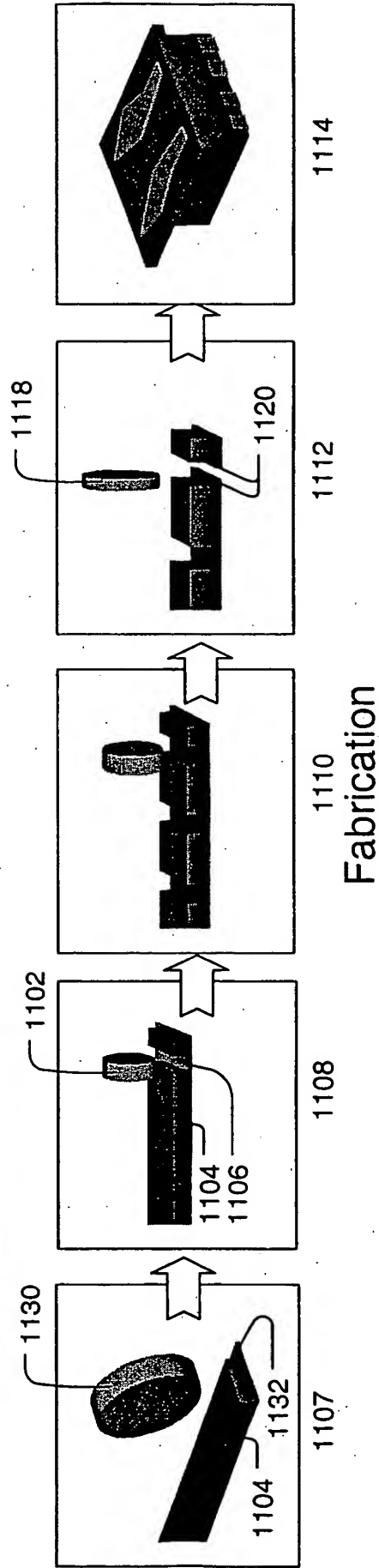
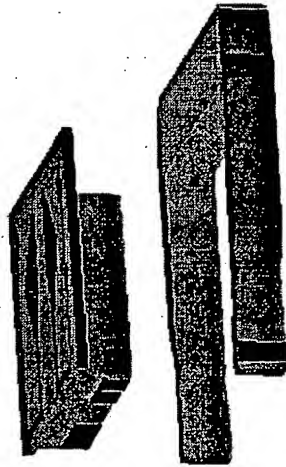


Figure 11

Fabrication of Design 4

Design 4

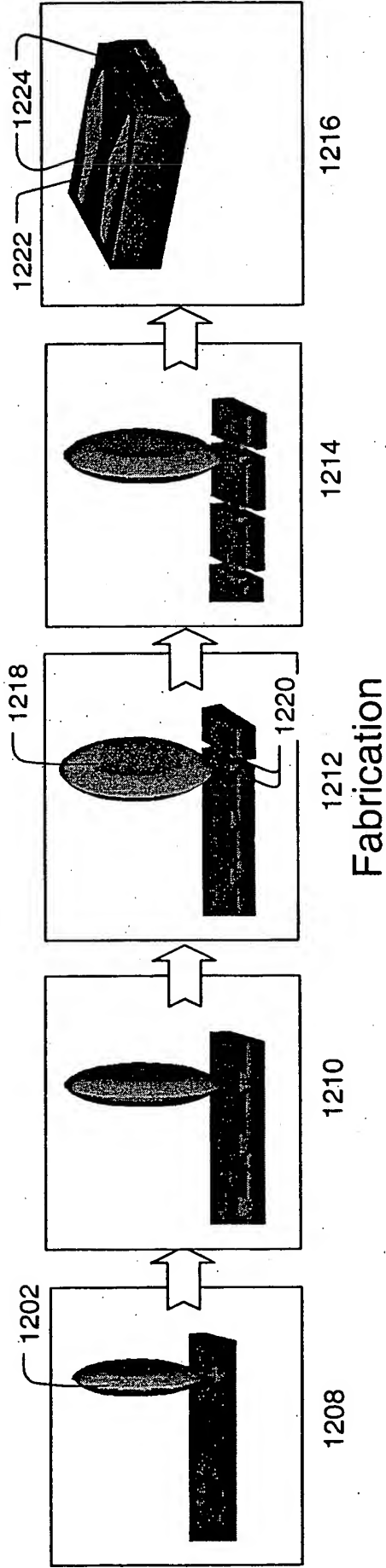
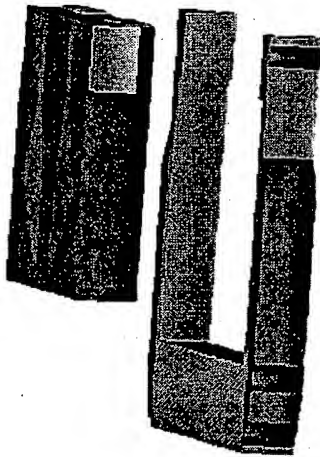


Figure 12